Executive Summary for
The Role of DNS Entries &
DNS Servers within Kentucky Schools

A KETS Implementation Document

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It is imperative that District Staff keep DNS up-to-date.

As most DTC's are aware, DNS entries are how the Staff at OET figures out how to configure various Network Devices. For example, we look at the "proxy entries" to determine what IP's are allowed to get out to Web Browse the Internet. We also use the "WWW and Webmail" entries to determine which devices to allow to be reached from the Internet for Web Traffic.

As we tighten up Network Security we will continue to rely on DNS as a way of knowing what a School District wants to have available to and from the Internet.

Therefore:

It is imperative that District Staff keep DNS up-to-date.

What follows is a list of Keywords and what these keywords mean to us:

Keyword	Meaning
www webmail	Web Server, will be reachable from the Internet on Standard Web port 80, FTP ports 20-21, Secure-HTTP port 443.
proxy	Proxy Server, will be allowed to go out to the Internet on Standard Web Port 80
mx	Mail Exchanger, allowed to deliver and receive Internet Mail via SMTP, port 25. The MX is not part of the name as the district domain name is reserved for the mail exchanger. In DNS there are two entries for mail exchangers; an Address (A) entry and an MX entry.
aws	American Weather Service, Reachable from the Internet via port 95.
mms rtsp qt	Media Server, allowed to be reached from the Internet and accessed via Microsoft Media Server (MMS), Real Time Streaming Protocol (RTSP), or QuickTime(QT).
name	Domain Name Service (DNS), to be reached from the Internet to resolve DNS

	Names.
vpn	Virtual Private Network, Software that allows District Staff to connect to the District and access resources otherwise unavailable from the Internet.
sti	Administrative Server. School Servers would be listed as sti.*school.district*.k12.ky.us, and the STI Accumulator would be sti.*district*.k12.ky.us
rs6000	We keep this box Extra Secure.
wanport csu	Used by KDE and GOT in the support and management of connection from District to KETS Backbone. Maintained by KDE.
stu	This identifies student email. Some larger districts with multiple student email servers use the name stu.*school.district*.k12.ky.us instead of stu.*district*.k12.ky.us.
E*dddsss*n0	School Servers that need to be accessed from Win3.x or other workstations that are unable to use WINS. (If you are all Win9x or better you can remove all these entries.)